

Commonwealth of Kentucky
Division for Air Quality
PERMIT STATEMENT OF BASIS

Title V draft permit No. V-03-009

JIM BEAM BRANDS CO.

Boston, KY.

February 4, 2003

Herbert Campbell

Plant I.D. # 21-179-00014

Application Log # F469/50273

SOURCE DESCRIPTION AND CONTROL EQUIPMENT:

The source is a distillery that makes distilled spirits. Grain is unloaded and conveyed to hammermills where it is ground. The grain is fed into mash cookers along with water, and the grain starches are converted to sugars by heating. The cooked grain/water mixture is fed into fermenter vessels as a batch operation to convert the sugars to ethanol. After an appropriate residence time, the mixture is processed through distillation columns and condensers. The condensed liquid is fed to spirits tanks and then gauged at the cistern tanks prior to barrel filling. The spent stillage is then dried with a ring dryer and put into a storage room. Whiskey from the cistern tanks is put into barrels until the appropriate age is reached. The barrels are then gravity dumped, rolled, and rinsed at the dumping station. After dumping, the whiskey is fed to the regauge tanks, where it may be processed and sent to be loaded for shipment.

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| E. Unit 01: | Grain handling Operations: grain unloading/receiving hopper, conveyors with baghouse and unpaved roads |
| E. Unit 02 | Fermentation process |
| E. Unit 03 | Spent stillage: spent stillage tanks, centrifuges, evaporators |
| E. Unit 04 | Spent grain drying: dryer and cyclone |
| E. Unit 05 | Distiller's dried grain cyclones: silos and process cyclones |
| E. Unit 06 | Barrel filling, aging, dumping: barrel filling stations, product aging in warehouse, and barrel dumping |
| E. Unit 07 | Horizontally-opposed-#6-oil-fired indirect-heat-exchanger |
| E. Unit 08 | Horizontally-opposed-#6-oil-fired indirect-heat-exchanger |
| E. Unit 09 | Spreader stoker coal-fired indirect-heat-exchanger |

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REGULATION APPLICABILITY:

All the applicable regulations to the emission units are listed in the permit. The following regulations are not applicable based on the applicability date of regulation or unit size:

Regulations not applicable to Emissions Units 07, 08 and 09 due to applicability date and/or size of unit:

Regulation 401 KAR 60:005, Standards of performance for industrial-commercial-institutional steam generating units, incorporating by reference Title 40 CFR, Part 60, Subpart Db, applicable to an emissions unit of greater than 100 MMBtu/hour and constructed after June 19, 1984.

Regulation 401 KAR 60:005, Standards of performance for small industrial-commercial-institutional steam generating units, incorporating by reference 40 CFR Part 60, Subpart Dc, applicable to an emissions unit with a design capacity of 100 MMBtu/hour or less and greater than or equal to 10 MMBtu/hour and constructed after June 9, 1989.

Regulation not applicable to Emission Unit 02 due to applicability date:

Regulation 401 KAR 60:005, Standards of performance for equipment leaks of VOC in the synthetic organic chemicals manufacturing industry, incorporating by reference 40 CFR 60.482, Subpart VV, applicable to VOC leaks in affected facilities that commenced construction or modification after January 5, 1981.

COMMENTS:

- Unit 1 is subject to fugitive emissions Regulation 401 KAR 63:010 and is considered to be in compliance when using control measures required by the regulation.
- The permittee will be required to conduct one particulate matter mass emission performance test for emissions unit 09 to demonstrate compliance with allowable particulate matter mass emission standard once within the term of this permit.
- The three hour averaging time associated with the particulate matter mass emission standards for emissions units 04, 05, 07, 08 and 09 are applicable during compliance demonstration when performance tests are required by the Division.
- The permittee may ensure compliance with the emissions limitations and standards conditioned within the permit for Emissions Units 07, 08 and 09 by performing the calculations based upon sulfur content, fuel usage and processing rates, and emission factor information. Additionally, the permittee is required to monitor the fuel consumption rates, processing rates, and operation of the unit's control equipment used to control emissions.
- No applicable regulations apply to Emissions Units 02, 03, and 06; however, the permittee is required to monitor processing and production rates and hours of operation due to the emissions potential of each designated unit.

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CREDIBLE EVIDENCE:

This permit contains provisions which require that specific test methods, monitoring or recordkeeping be used as a demonstration of compliance with permit limits. On February 24, 1997, the U.S. EPA promulgated revisions to the following federal regulations: 40 CFR Part 51, Sec. 51.212; 40 CFR Part 52, Sec. 52.12; 40 CFR Part 52, Sec. 52.30; 40 CFR Part 60, Sec. 60.11 and 40 CFR Part 61, Sec. 61.12, that allow the use of credible evidence to establish compliance with applicable requirements.

At the issuance of this permit, Kentucky has not incorporated these provisions in its air quality regulations.